FREYDLIN, L.Kh.; LITVIN, Ye.F.

Hydrogenation of diene hydrocarbons on a liquid phase platinum catalyst. Izv. AN SSSR. Ser.khim. no.7:1307-1312 J1 '63. (MIRA 16:9)

1. Institut organichoskoy khimii im. N.D.Zelinskogo AN SSSR. (Hydrocarbons) (Hydrogenation) (Platinum catalysts)

FREYDLIN, L.Kh.; SHARF, V.Z.; ABIDOV, M.A.; GLUKHOVTSEV, V.G.

Study of dimethylcyclopropylcarbinol dehydration and accompanying conversions of the newly formed hydrocarbons on acidic catalysts. Izv. AN SSSR Ser.khim. no.10:1824-1828 0 '63. (MIRA 17:3)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

FREYDLIN, L.Kh.; LITVIN, Ye.F.

Hydrogenation of stereoisomers of piperylene on metallic catalysts. Neftekhimia 3 no.3:326-329 My-Je '63. (MIRA 16:9)

1. Institut organicheskoy khimii AN SSSR imeni Zelinskogo. (Hydrogenation) (Piperylene) (Catalysts)

ALIYEV, Ya.Yu.; RCMARCVA, I.B.; FTS:YDLIL, L.Kh.

Catalytic carbonylation of anabasino. Uzb.khim.zhur. 7 no.3:43-46
163. (HIRA 16:9)

1. Institut khimii AN UzSSR.
(Anabasino) (Carbonyl compounds)
(Catalysts)

FREYDLIN, L.Kh.; KAUP, Yu.Yu.

Selectivity and stereospecificity in the processes of hydrogenation of acetylenic hydrocarbons on metal catalysts. Dokl. AN SSSR 152 no.6:1383-1386 0 '63. (MIRA 16:11)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR. Predstavleno akademikom A.A. Balandinym.

1. Institut organicheskcy khimii AN SSSR imeni N.D. Zelinskogo.

FREYDLES, L. Kh.; LITVIN, Ye.F.; ERVINVA,

Investigating the hydrogenation of Lossian and dieron to the

presence of rhodium black. Neftekhimita A no.2:185-185 Mr-Ap*64 (MIRA 17:8)

1. Institut organicheskoy khimil AN 9500 imeni M.D. Zelinskogo.

FREYDLIN, L.Kh.; NAZAROVA, N.M.; LITVIN, Ye.F.; GAYVORONSKAYA, G.K.

Reaction of cyclohexane with 3-methylbutene-1 and 2-methyl-butadiene-1,3. Neftekhimiia 4 no.2:246-251 Mr-Ap*64 (MIRA 17:8)

1. Institut organicheskoy khimii AN SSSR imeni Zelinskogo.

FREYDLIN, L. Eh.; SHARF, V. .. AEIDIV, M.A.

Investigating the dehydration of hexanodic-2,5 into hexadicnes in the presence of acid catalysts. Neftekhimia 4 no.2:308-313 Mr-Ap*64 (MFRA 17:8)

1. Institut organichoskoy khámil AN PERS dment Zelinskogo.

S/0204/64/004/004/0547/0551

ACCESSION NR: AP4044553

AUTHOR: Freydlin, L. Kh., Borunova, N. V., Gvinter, L. I., Layner, D. I., Kagan, N.M.

TITLE: Investigation of the effect of cadmium on the activity and selectivity of nickel-zinc catalysts during hydrogenation of hydrocarbons

SOURCE: Neftekhimiya, v. 4, no. 4, 1964, 547-551

TOPIC TAGS: cadmium, nickel, zinc, nickel zinc catalyst, hydrogenation, catalyst selectivity, hydrocarbon, benzene, styrene, cyclohexene, octene, gas chromatography, catalytic hydrogenation

ABSTRACT: The effect of metallic cadmium on the activity and selectivity of nickel over zinc oxide catalysts during the hydrogenation of hydrocarbons, such as hepten: -3.b.p. 95.8-96.1C, $n^{20} = 1.4033$), a mixture of octenes (b.p. 123-125C, $n^{20} = 1.4140$), cyclohexene (b.p. 83C), $n^{20} = 1.4450$), styrene (b.p. 52-53 C/28mm Hg, $n^{20} = 1.5462$) and benzene D

(b. p. 80.1C, $n_D^{20} = 1.5017$), was investigated under flow conditions. After cooling to -5C,

Card 1/3

ACCESSION NR: AP4044553

the products were analyzed by gas chromatography. It was found that the relative amounts of cadmium necessary for deactivating the catalyst in the hydrogenation of benzene, cyclohexene and the ethyl bond of styrene were 0.2, 25 and 500% by weight. The probable mechanism of the action of cadmium at different temperatures was studied and discussed. It was established that a variation in the amount of Cd permits the selective hydrogenation of olefins in the presence of benzene or of styrene mited with cyclohexene. The change in the catalytic properties of nickel due to the addition of Cd is due to the change in the composition and crystal structure of the surface layer of the catalyst. Under conditions close to those of the preparation of Ni-ZnO-Cd, cadmium interacts with nickel and forms an intermetallic compound. X-ray analysis and comparison of the interplanar spacings obtained previously showed that the reaction products of mixtures containing up to 70% Cd consist of nickel crystals and O-phase crystals (Cd₁, Ni₁). For products containing only 30% nickel, there was only one line of O-phase with a further increase in the Cd content in the mixture, lines of other intermetallic compounds, apparently with a higher cadmium content (O-phase), appear. On increasing the time of reaction of the catalysts, the loss in Cd increases. New active surface sites on the Ni catalyst are set free and the activity

Card 2/3

ACCESSION NR: AP4044553

increases. Using a catalyst poisoned with 5% Cd the degree of hydrogenation of pentene-3 was 25% after reduction for 10 hours and 90% after 40 hours. Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo, AN SSSR (Institute of Organic Chemistry, AN SSSR); Gosudarstvenny*ynauchno-issledovatel'skiy institut splavov i obrabotki tsvotny*kh metallov (State Scientific Research Institute for Alloys and Non-Ferrous Metallurgy)

SUBMITTED: 02Jul63

SUB CODE: OC

NO REF SOV: 005

OTHER: 007

Card 3/3

FREYDLIN, L.Kh.; SHARF, V.Z.; TUKHTAMURADOV, Z.T.

Effect of the temperature of boron phosphate preparation on its specific surface, acidity, and catalytic activity in the dehydration of alcohols. Kin. i kat. 5 no.2:347-350 Mr-Ap 164. (MIRA 17:8)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

FREYDLIN, L.Kn.; SLADKOVA, T.n.

Catalytic reduction of dinitriles. Usp. khim. 33 no.6:664-686
Je '64. (MIRA 17:8)

1. Institut organicheskey khimii AN SS.R imeni Zelinskogo.

FRETORIN, L.Eh.; LITVIN, Ye.P.; CHOESENA, V.N.

Stage mechanism underlying the reduction of K-nitrustverne in an acid medium on Pd black. Dokl. AN SSSR 155 no. 5:1124-1147 Ap 164. (Kiel 17:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. Predatavlono akademikom A.A.Balmvitnym.

Technical repair plant for automobiles in the Arctic Regions.
Avt. transp. 34 no.7:36 Jl '56. (MLRA 9:10)

(Arctic regions--Automobiles--Repairing)

TITOV, V., inzh.; GEORGADZE, N., inzh.; POLTORAK, Yu., inzh.; EFENDIYEV, F., inzh.; FREYDLIN, M., inzh.

Development of the operational and technical base for automotive transportation. Avt.transp. 42 no. 4:22-24 Ap '64. (MIRA 17:5)

FREYDLIN, L.Kh.; BORUNOVA, N.V.; SAMOKHVALOV, G.I.; MIROPOL'SKAYA, M.A.;
YANOTOVSKIY, M.TS.; GVINTER, L.I.; FELOTOVA, N.I.

Directed changes in the selectivity of catalysts in the process of hydrogenation of the dienone group. Report No.1: Hydrogenation of 6-methyl-3,5-heptadien-2-one on nickel catalysts. Izv. AN SSSR. Ser. khim. no.6:996-1003 Je '64.

(MIRA 17:11)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR i Vsesoyuznyy nauchno-issledovatel'skiy i vitaminnyy institut.

BORUNOVA, N.V.; FREYDLIN, L.Kh.; GVINTER, L.I.

Changes in nickel catalyst selectivity in the process of hydrogenation of crotonaldehyde. Izv. AN SSSR. Ser. khim. no.6:1115-1117 Je '64. (MIRA 17:11)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

FREYDLIN, L.Kh.; LITVIN, Ye.F.

Mechanism of the hydrogenation of dienes with conjugate double bonds on a palladium catalyst. Neftekhimia 4 no.3:374-378 My-Je 164. (MIRA 18:2)

1. Institut organicheskoy khimii AN SSSR im. N.D.Zelinskogo.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413630003-1"

FREYDLIN, L.Kh.; PLATE, A.F.; ZHUKOVA, I.F.; BELIKOVA, N.A.

Order of the addition of hydrogen to double bonds of 4-vinylcyclohexane-1 on Pt- and Ni-catalysts. Neftekhimia 4 no.3:382-385 My-Je 164. (MIRA 18:2)

1. Institut organicheskoy khimii AN SSSR im. N.E. Zelinskogo i Moskovskiy gosudarstvennyy universitet.

FREYDLIN, L.Kh.; BORUNOVA, N.V.; GVINTER, L.I.; LATNER, D.I.; KAGAN, N.M.

Investigating the effect of cadmium on the activity and selectivity of nickel-zinc catalysts in the hydrogenation of hydrocarbons. Nefte-khimia 4 no.4:547-551 Jl-Ag '64. (MIRA 17:10)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR i Gosudarstvennyy nauchno-issledovatel skły institut splavov i orabotki tsvetnykh metallov.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413630003-1"

Prof. A.U., L.Kb.; LITVIP, Ye.F.; CHOFRAM, T.H.

Hydrogenation of Isoprene and 2,3-dimethyloutadiene-1,3 on a skeleton sobalt catalyst. Neftchhimia A no.4:552-57 J1-Ag '64.

1. Institut organishoskoy khimii Im. N.D. Zelimshogo AN SESS.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413630003-1"

Investigating the dehydration of vapor-phase isopentene alcohols on acid catalysts. Heftekhimia 4 no.4:609-617 J1-4g '64.

(MRR 17:10)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

FREYDLIN, L.Kh.; LITVIN, Ye.F.; SHAFRAN, R.H.

Hydrogenation of dienes with a system of conjugate double bonds on a skeleton Co-catalyst. Neftekhimiia 4 no.6.669-675 S-0 464.

(MIRA 18:1)

1. Institut organicheskey khimit iment N.D.Zelinskegt AN SSSR.

FREYDLIN, L.Kh.; LITVIN, Ye.F.; KUZZYBAYEV, K.

Conversions of cyclohexene in the presence of a skeleton nickel catalyst. Neftakhimila 4 no.5:687-690 S-0 164. (MIRA 18:1)

1. Institut organicheskoy khimii imeni N.D.Zelinckego AM SSSR.

FREYDLIN, L.Kh.; LITVIN, Ye.F.; SHAFRAN, R.N.

Liquid phase hydrogeration and irreversible catalysis of cyclohexene on a skelecal mickel catalyst. Izv. AN SSSR. Ser. khim. no.8:1407-1411 Ag 164. (MIRA 17:9)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

FREYDLIN, L.Kh.; KAUP, Yu.Yu.

Hydrogenation of isopropenylacetylene on a skeletal cobalt catalyst and Pd black. Izv. AN SSSR. Ser. khim. no.8:1501-1504 Ag '64. (MIRA 17:9)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

FREYDLIN, L. Kh.; KAUP, Yu.Yu.

Two aspects of selectivity and stereospecificity in the processes of hydrogenation of n-pentynes on Pd,Pt, and Rh catalysts. Izv. AN SSSR Ser. khim. no.12:2146-2151 D'64 (MIRA 18:1)

llydrogenation of mono- and di-substituted acetylenic hydro-carbons on a skeletal cobalt catalyst. Ibid.:2152-2156

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

FRETULID, L.En.; LITVIN, Ye.F.; LYU GUAN-MENN (Liu Energ-name)

Nyirogenation of 2,2 dimethylbutadiene with hydrogen or bed in a skeletal nickel catalyst. Izv. AN SSSR Ser. khim. 10.1: 134-140 '65. (MIRA 18:2)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

SHARF, V.Z.; FREYELIN, L.Kh.; TUKHTAMURADOV, Z.T.

Effect of the treatment of alum: mum oxide by acetic acid on its activity in the dehydration of 1-pentanol and isomerization of 1-pentene. Izv. AN SSSR Ser. khim. no.2:385-387 '65.

("TRA 18:2)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

FREVERIN, 1.FR.; SHARP, V.E.; THEHRAN RADIV, D.T.

Caretytic dehydration of a mixture of inogrammets and noncomitant conversions of formed isopentenes. Izv. AN OCSE. Ser. khim. no.3: 531-554 165. (MEM 18:5)

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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413630003-1"

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SLADKOVA, T.A.; FREYDLIN, L.Kh.

Effect of the structure of a silicon-containing nitrile on the course of its catalytic reduction. Izv. AN SSSR. Ser. khim. no.6: 1061-1065 165. (MIRA 18:6)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

FREYDLIN, L.Kn., SLADKOVA, T.A., ENGLINA, F.E.

Resettion of hydrogenation of adipodinitrile on a nickel-magnesium catalyst in absence of ammonia. Tzv. AN SSSR. Ser. khim. no.7:1248-1253 '65. (MIRA 18:7)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413630003-1"

L 52172-65 EAT(1)/EMA(J)/EMA(b)-2 Pa-4 RO

ACCESSION NR: AP5015540

JR/0286/65/000/003/0080/0080

AUTHORS: Aliyev, Ya. Yu.; Kamilova, R.; Romanova, I. B.; Penskaya, L. V.; Freydlin, L. Kh.; Khikmatov, A.

TITLE: A method of weed control in cotton plantings. Class 45, No. 170247

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 80

TOPIC TAGS: agriculture, posticide, chloroformanilide, bromoformanilide

ARSTRACT: This Author Certificate presents a method for controlling weeds in couten plantings by applying selective <u>merbicides</u>. To broaden the assurtment of herbicides, n-chloroformanilide and n-bromoformanilide are used for this purpose.

ASSOCIATION: none

SUBMITTED: 15Nov63

EXCL: 00

SUB CODE: CC. LS

NO REF SOV: 000

OTHER : OOO

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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413630003-1"

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SHAHF, V.Z., FREYDLIN, L.Kh.; OPARINA, G.K.; KHEYFETO, V.I.; BYCHKOVA, M.K.; KOPYLEVICH, G.M.; YAKUBENOK, V.V.

Production of isoprene from formaldehyde and isobutylene via 3-methyl-1,3-butanediol. Izv. AN SSSR. Ser. khim. no.9:1663-1665 165. (MIRA 18:9)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR i Opytno-konstruktorskoye byuro sinteticheskikh produktov Priokskogo soveta narodnogo khozyaystva, Tula.

FREYDLIN, L.Eh.; BOFUNCVA, M.V.; CWINTER, L.I.

Selectivity in the action of mickel and cobalt catalysts by modification in the course of hydrogenation of the diene group. Dokl. AN SESR 163 no.5/1173-1176 Ag 165. (MIRA 18:8)

1. Thetitut organicheskoy khimii im. N.b.Zelinekogo AN SSSR. Bubmittel February 15, 1965.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413630003-1"

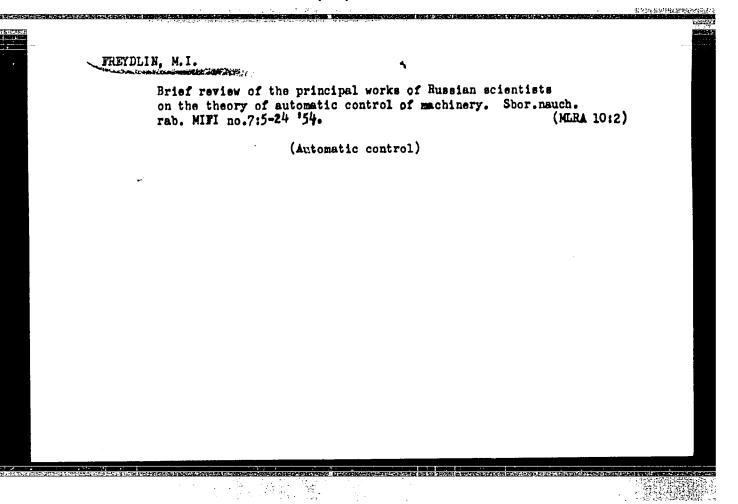
HORENOVA, H.V.: FREYBLIB, I.Kh.; LEOLIMER, C.M.; HOVIKOTA, Ye.C.

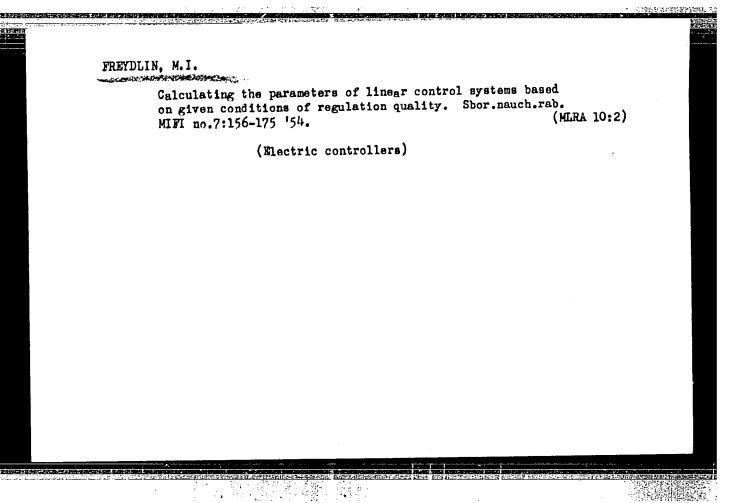
Freparation of propional dehyde by calabytic desydrogenation of n-prepyl alcohol. Tzv. AN SOSE Der. Rein. no. 10:1815-1849

(MIRA 18:10)

1. Institut organicheskoy khimii im. H.B. dellaskozo AN SISR i Moskovskiy zavod "Slozinnyye efiry".

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413630003-1"





S/124/63/000/002/002/052 D234/D308

AUTHOR:

Freydlin, M.I.

TITLE:

Calculation of parameters of discontinuous automatic

control systems

PERIODICAL:

Referativnyy zhurnal, Nekhanika, no. 2, 1963, 19, abstract 20128 (Uch. zap. Vscs. zaochn. in-t inzh.

zh-d. transp. no. 7, 1961, 331-340)

TEXT: The author considers a transient process in a discontinuous automatic control system. The process consists of several cycles of equal duration with different disturbances which are constant for each cycle. The author replaces the solution of the equation in finite differences by the solution of a corresponding differential equation for a continuous process and obtains an estimation of damping time for the discontinuous process.

[Abstracter's note: Complete translation_]

Card 1/1

16.6100

24030 S/020/61/138/003/002/017 C111/C333

AUTHORS:

Blagoveshchenskiy, Yu. N., Freydlin, M. I.

TITLE:

Some properties of diffusion processes depending on ${f a}$

parameter

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 138, no. 3, 1961, 508-511

TEXT: The authors consider the stochastic equation

where $\xi_{u}(\omega) = (\xi_{u}^{1}(\omega), \xi_{u}^{2}(\omega), ..., \xi_{u}^{n}(\omega))$ is an n-dimensional Wiener process defined in the probability space (Ω, \mathcal{M}, P) ; $\delta(u, \infty, x) = \{\delta_{j}^{1}(u, \infty, x)\}_{i,j=1}^{n}$ -- matrix; $m(u, \infty, x) = (m^{1}(u, \infty, x), ..., m^{n}(u, \infty, x))$ Card 1/2

24030 S/020/61/138/003/002/017 C111/C333

Some properties of diffusion ...

an n-dimensional vector. The integrals in (1) are stochastic integrals. Theorem 1: Assume that there exists a constant $C < \infty$ such that for all $x,y \in R^n$; $x,\beta \in A \subseteq R^m$; $u \in [0,T]$, $T < \infty$ it holds

$$\sum_{i,j=1}^{n} \left| 6_{j}^{i}(u,\infty,x) - 6_{j}^{i}(u,\beta,y) \right| + \sum_{i=1}^{n} \left| m^{i}(u,\infty,x) - m^{i}(u,\beta,y) \right| \le$$

where $\|z_1 - z_2\| = (\sum_{j=1}^k |z_1^j - z_2^j|^2)^{1/2}$ for $z_i = (z_i^1, z_i^2, ..., z_i^k)$.

Furthermore, let $x_0(\infty, \infty)$ be continuous in $\infty \in A$ for almost all ∞ .

Then there exists a random function $x_t(\alpha,\omega)$ which satisfies (1) and is continuous in $(t,\omega)\in [0,T]\times A$ with probability 1.

S/020/61/138/003/002/017 Some properties of diffusion ... C111/C333

Theorem 2: Assume that 0 = 1 = 1 (u, ∞ , x) and 0 = 1 (u, ∞ , x) possess continuous bounded derivatives with respect to ∞ , ∞ , ∞ (i, j, ∞ = 1, 2, ..., ∞) up to the order k + 1 inclussively. Assume that ∞ (∞ , ∞) and 0 = 1 = 1 and 0 = 1 = 1

Some properties of diffusion . . .

2/030 S/020/61/138/003/002/017 C111/C333

The random functions $\partial^1 x_t(\alpha, \omega)/\partial \alpha_1^{11} \cdots \partial \alpha_n^{1m}$, $\alpha_1 + \alpha_2 + \cdots + \alpha_m = 1 \le k$ satisfy the following system of stochastic equations

$$\frac{\partial^{l} x_{l} (\alpha, \omega)}{\partial \alpha_{1}^{l} \partial \alpha_{2}^{l} \dots \partial \alpha_{m}^{l}} = \frac{\partial^{l} x_{0} (\alpha, \omega)}{\partial \alpha_{1}^{l} \partial \alpha_{2}^{l} \dots \partial \alpha_{m}^{l}} +
+ \int_{0}^{l} \frac{\partial^{l} \sigma (u, \alpha, x_{u} (\alpha, \omega))}{\partial \alpha_{1}^{l} \partial \alpha_{2}^{l} \dots \partial \alpha_{m}^{l}} d\xi_{u} (\omega) + \int_{0}^{l} \frac{\partial^{l} m (u, \alpha, x_{u}; (\alpha, \omega))}{\partial \alpha_{1}^{l} \partial \alpha_{2}^{l} \dots \partial \alpha_{m}^{l}} du.$$
(2)

Here it holds

$$\frac{\widetilde{\mathfrak{I}} f(x_1, x_2, \dots, x_m; x^1(\alpha), x^2(\alpha), \dots, x^n(\alpha))}{\partial \alpha_k} = \frac{2f}{\partial \alpha_k}$$

Card 4/7

S/020/61/138/003/002/017 Some properties of diffusion ... S/020/61/138/003/002/017

$$+\sum_{i=1}^{n} \frac{\partial f}{\partial x^{i}} \frac{\partial x^{i}}{\partial \alpha_{k}}, \frac{\partial^{2} f}{\partial \alpha_{i} \partial \alpha_{j}} - \frac{\partial^{2} f}{\partial \alpha_{i}} (\frac{\partial^{2} f}{\partial \alpha_{j}})$$

From theorem 2 it follows

Theorem 3: Let $\mathbf{x}_{\mathbf{t}}^{\mathbf{x}}(\omega)$ satisfy the stochastic equation

$$\mathbf{x}_{t}^{\mathbf{x}}(\omega) = \mathbf{x} + \int_{0}^{t} G(\mathbf{u}, \mathbf{x}_{u}^{\mathbf{x}}(\omega)) d\mathbf{y}_{u}(\omega) + \int_{0}^{t} m(\mathbf{u}, \mathbf{x}_{u}^{\mathbf{x}}(\omega)) d\mathbf{u}$$
 (3)

If then $\mathfrak{S}(u,x)$, $\mathfrak{m}(u,x)$ have bounded continuous derivatives with respect to x^r , $r=1,2,\ldots$, n, up to the order k+1 inclusively, then there exist the derivatives $\frac{1}{2} x_t^x (\omega) / \partial (x^1)^{1_1} \ldots \partial (x^n)^{1_n}$, $1_1+1_2+1_3+1_4+1_5+1_5+1_6$ and almost all ω . These derivatives exist also in the quadratic mean. Card 5/7

24030 S/020/61/138/003/002/017 C111/C333

for all ∞ except a certain set $\Lambda(\omega) \in \mathbb{R}^m$ with Lebesgue measure zero. For the proof of the theorems the authors use the following generalization of the well-known theorem of A. N. Kolmogorov: Theorem: Let $\mathbf{x}_{\mathcal{U}}(\omega)$ be a separable random field defined for $\omega \in \mathbb{R}^m$ Card 6/7

Some properties of diffusion . . .

24030 S/020/61/138/003/002/017

and which attains values from the n-dimensional Euclidean space R^n . In order that $x_{\mu}(\omega)$ be continuous in μ with probability 1, it is sufficient that for certain $\gamma>0$ and $\xi>0$ the inequality

is satisfied.

J.V. Girsanov is mentioned in the paper. The authors thank Ye.B. Dynkin for the subject and advices.

There are 2 non-Soviet-bloc references. The reference to Englishlanguage publication reads as follows: J. Doob, Veroyatnostnyye protsessy [Stochastic processes], JL, 1956.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosov (Moscow State University imeni M.V. Lomonosov)

January 21, 1961, by A. N. Kolmogorov, Academician PRESENTED: SUBMITTED: January 14. 1961

Card 7/7

Transactions of the Sixth Conference (Cont.) SOV/63	71
26. Sarmanov, O. V., and V. K. Zakharov. Change of the Spectrum of a Stochastic Matrix Upon Enlargement	53
27. Sarymsakov, T. A. On One General Theorem Regarding Fixed Points, and Its Connections With Ergodic Theorems	55
28. Sevast'yanov, B. A. Limit Theorems for Branching Processes With Diffusion	57
29. Skorokhod, A. V. On Stochastic Differential Equations 1	59
30. Stratonovich, R. L. On the Infinitesimal Operator of a Markov Process (Published after Ye. B. Dynkin's Report "Survey of Some Trends in the Theory of Markov Processes"), 1	69
31. Freydlin, M. I. Application of K. Ito's Stochastic Equations to the Investigation of the Second Boundary-Value Problem	73
Transactions of the 6th Conf. on Probability Theory and Mathematical Statistics and of the Symposium on Distributions in Infinite-Dimensional Spaces held in Vil'nyus, 5-10 Sep '60. Vil'nyus Gospolitizdat Lit SSR, 1962. 493 p. 2500 copies printed	

1.2100

37377 S/020/62/143/006/006/024 B125/B112

AUTHOR:

Freydlin, M. I.

TITLE:

Mixed boundary value problem for second-order elliptic differential equations with small parameters

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 6, 1962, 1300 - 1303

TEXT: After the construction of a Markov process X^{ε} the asymptotic behavior of the solution of the problem $L^{\epsilon}u^{\epsilon}(x) = 0$ for $x \in D$; $u^{\epsilon}(x) \mid_{x \in [1]}$

= (x); $du^{\epsilon}/\partial = 1$ $|_{x \in [2]} = 0$ (2) for $\xi = 0$ is studied. Solution (2) is the nathematical expectation value of a certain functional of the trajectory. of the process X^{E} . I_{2} is a subset open with respect to I_{1} and $I_{1} = I_{1} I_{2}$.

 $\psi(x)$ is a function continuous on Γ_1 ; $1(x),x\in\Gamma$ is a vector field of class C^3 . In addition, $(x) = \{b_1(x), \dots, b_n(x)\}$, and $C^{\epsilon} = \inf\{t: x_t^{\epsilon} \in \Gamma_1\}$.

Card 1/3

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413630003-1"

S/020/62/143/006/006/024 B125/B112

Mixed boundary value ...

The random function $\mathbf{x}_{\mathbf{t}}^{\epsilon}(\omega)$ is defined by

$$x_{l}^{\epsilon}(\omega) = \begin{cases} \widetilde{x}_{l}^{\epsilon}(\omega), & \text{если } t < \tau^{\epsilon} \text{ и } \widetilde{x}_{l}^{\epsilon} \in D; \\ \varphi(\widetilde{x}_{l}^{\epsilon}(\omega)), & \text{если } t < \tau^{\epsilon} \text{ и } \widetilde{x}_{l}^{\epsilon} \in D'; \\ \widetilde{x}_{l}^{\epsilon}(\omega), & \text{если } t > \tau^{\epsilon}. \end{cases}$$

The measure P_{χ}^{X} is defined such that the pair $X^{\xi} = \{x_{\xi}^{\xi}, P_{\chi}^{\xi}\}$ forms a Markov process. For the matrix $\sigma(x) = \{\sigma_{ij}(x)\}$ one finds $\{a_{ij}(x)\} = \sigma(x)\sigma^{*}(x)$. Then, the following theorems are valid among others: Theorem 1: For any 0, the function $u^{\xi}(x) = M_{\chi}\psi(x_{\chi\xi}) = 0$ $(\psi(x_{\chi\xi})) = 0$ is a solution of problem (2). Theorem 2: $u^{\xi}(x)$ is assumed to be a solution of problem (2), and $H_{1}(x) \in \mathcal{F}_{1}$ is supposed to hold for the point $x \in \mathbb{D}$. Then, $\lim_{\xi \to 2} u^{\xi}(x) = 0$ $(H_{1}(x))$. Furthermore, it is assumed that $H_{1}(x) \in \mathcal{F}_{2}$. Then, theorem 3 Card 2/3

: :

Mixed boundary value ...

S/020/62/143/006/006/024 B125/B112

is valid: $b_1(x,0)\neq 0$ for $x \in (\alpha, -)$. Accordingly, $\lim_{x \to -1} u^2 = \psi(\beta)$ for $b_1(x,0) = 0$ and $\lim_{x \to -1} u^2 = \psi(\alpha)$ for $b_1(x,0) = 0$. Theorems 4 and 6: Under certain conditions specified here, the boundary value problem (5) and the problem $[\sigma_{11}^2(x,0) + \sigma_{12}^2(x,0)] \frac{d^2u}{dx^2} \frac{b_{12}^{(4)}(x,0)}{b_{22}^{(4)}(x,0)} [\sigma_{21}^2(x,0) + \sigma_{22}^2(x,0)] \frac{du}{dx} = 0,$

 $u(\alpha) = \psi(\overline{\alpha}), \quad u(\beta) = \psi(\overline{\beta}).$

are solved by $u(x) = \lim_{x \to a} u^{-1}(x)$.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

PRESENTED: December 8, 1961, by A. N. Kolmogorov, Academician

SUBMITTED: December 8, 1961

Card 3/3

2017年中华教育

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S/020/62/144/003/005/030 B112/B104

AUTHOR:

Freydlin, M. I.

TITLE:

Dirichlet's problem for an equation with small parameter

and discontinuous coefficients

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 144, no. 3, 1962, 501-504

TMXT: The elliptic differential operator

 $\mathbf{L}^{i} = \boldsymbol{\mathcal{E}}^{2}((1/2) \sum_{\mathbf{i},\mathbf{j}=1}^{n} \mathbf{a}_{\mathbf{i},\mathbf{j}}(\mathbf{x}) \boldsymbol{\partial}^{2} / \boldsymbol{\partial} \mathbf{x}^{\mathbf{i}} \boldsymbol{\partial} \mathbf{x}^{\mathbf{j}} + \sum_{\mathbf{i}=1}^{n} \mathbf{b}_{\mathbf{i}}(\mathbf{x}) \boldsymbol{\partial} / \boldsymbol{\partial} \mathbf{x}^{\mathbf{i}}) + \sum_{\mathbf{i}=1}^{n} \widetilde{\mathbf{b}}_{\mathbf{i}}(\mathbf{x}) \boldsymbol{\partial} / \boldsymbol{\partial} \mathbf{x}^{\mathbf{i}}$

is defined in a domain D with Γ as its boundary. It has discontinuous coefficients on a (n-1)-dimensional manifold SCD. The boundary-value problem $L^{\ell}u^{\ell}(x) = 0$ for $x \in \mathbb{D} \setminus S$, $\lim_{x \to \infty} u^{\ell}(x) = \psi(x_0)$ for $x \in \mathbb{T}$ is investigated. Some theorems concerning the asymptotic behavior of $u^{\ell}(x)$ for $\ell \to 0$ are derived.

PRESENTED: January 10, 1962, by A. N. Kolmogorov, Academician Card 1/2

Dirichlet's problem for an ...
SUBMITTED: January 9, 1362

S/020/62/144/003/005/030 B112/B104

Card 2/2

TUTUBALIN, V.N.; FREYDLIN, M.I. (Moscow)

Structure of the infinitesimal. (... leabre of a Gaussian process.

Teor. veroiat. i ee prim. 7 no.2:200, 208:62. (MIRA 15:5)
(Algebraic topology)
(Probabilities)

いる。 \$/038/62/026/005/001/003 B112/B186

11. 6100

AUTHOR: Freydlin, M. I.

TITLE: Stochastic Itô equations and degenerated elliptic equations

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya matematicheskaya, v. 26, no. 5, 1962, 653-676

TEXT: Dirichlet's problem for the degenerated elliptic equation Lu=0,

where $L = (1/2) \sum_{i,j} a_{i,j}(x^1,...,x^n) \partial^2/\partial x^i \partial x^j + \sum_{i,j} b_i(x^1,...,x^n) \partial/\partial x^i$ (1) is solved by an unambiguous generalized solution. Using the stochastic integral equation t.

 $x_{t}^{i} - x_{0}^{i} = \int_{0}^{t} \sum_{j=1}^{n} \sigma_{ij}(x_{u}) dt_{u}^{i} + \int_{0}^{t} b_{i}(x_{u}) du,$ (2)

a Markovian random process \tilde{X} is constructed, which can be controlled by the operator (1). This process is transformed into a process \tilde{X} at the moment

Card 1/2

"APPROVED FOR RELEASE: 06/13/2000

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3/038/62/026/005/001/003 B112/B186

Stochastic Itô equations and ...

when the trajectories of \tilde{X} enter the domain D of definition in which the Dirichlet problem is considered. The infinitesimal operator A of the process X is shown to be an extension of the operator L. Furthermore, the boundary value problem

$$\Lambda u(x) = 0, \quad \lim_{x \to x_0 \in \Gamma} u(x) = \varphi(x_0)$$

is considered, where the function $p(\mathbf{x})$ is given on the boundary of the domain D. Its solution may be regarded as the mean value of a certain functional of the process X. Sufficient conditions of uniqueness are derived. The continuity of the generalized solution is proved under certain additional restrictions. The proofs of this paper are based on the theory of stochastic integral equations due to K. Itô (Nagoya Math. J., v. 1 (1950), 35-47, y (1951), p5-65) and on Ye. 3. Dynkin's theorems concerning stochastic processes (Infinitezimal'nyye operatory markovskikh protsessov, Teoriya veroyatnostey i yeye primeneniya - Infinitesimal operators of Markovian processes, Theory of probability and its applications, v. 1, nc.1 (1956), 36-59, Osnovaniya teorii markovskikh protsessov - Foundations of the theory of Markovian processes, Fizmatgiz, 1959).

SUBMITTAL: March 10, 1961 Gard 2/2

S/052/63/008/001/005/005 B112/B186

AUTHOR:

Freydlin, M. I.

TITLE:

Diffusion processes with reflection and a third boundary-

value problem

PERIODICAL:

Teoriya veroyatnostey i yeye primeneniya, v. 8, no. 1, 1963,

88 - 08

TEXT: A Markov process is constructed on a topological manifold D with reflection at the boundary Γ_* . By means of this process, the boundary-value problem

Lu(x) = f(x) for $x \in D \setminus \Gamma$, $\partial u(x) / \partial 1 |_{x \in \Gamma} = 0$

is studied. L is an elliptic second-order differential operator. As particular results, new theorems concerning the existence and uniqueness of solutions to problems with oblique derivative and the stabilization of solutions to certain parabolic equations are established.

SUBMITTED:

May 31, 1961

Card 1/1

3 !

ACCESSION NR: AP4016037

\$/0052/64/009/001/0133/0139

AUTHOR: Freydlin, M. I. (Moscow)

TITLE: Dirichlet problem for an equation with periodic coefficients depending on a small parameter

SOURCE: Teoriya veroyatnostey i yeye primeneniya, v. 9, no. 1, 1964, 133-139

TOPIC TAGS: Dirichlet problem, periodic coefficient, small parameter, elliptic differential operator, limiting behavior, stochastic differential equation, probability representation, torus, Markov process, limiting distribution

ABSTRACT: Consider a nondegenerate elliptic differential operator

$$L^{a} = \frac{1}{2} \sum_{i,j=1}^{n} a_{ij} \left(\frac{x}{e} \right) \frac{\partial^{a}}{\partial x^{i} \partial x^{j}} + \sum_{i=1}^{n} b_{i} \left(\frac{x}{e} \right) \frac{\partial}{\partial x^{i}}. \quad (1)$$

Assume that $a_{i,j}(x^1,...,x^n)$, $b_i(x^1,...,x^n)$ are periodic functions in all their arguments with period unity, $a_{i,j}(x)$, $b_{i,j}(x) \in (\mathbb{R}^n)$. Let D be a bounded region in \mathbb{R}^n with smooth boundary (), let $\mathcal{Y}(x)$ be a continuous function given on (), and let

Card 1/3

ACCESSION NR: AP4016037

c(x) be a nonnegative periodic function with period unity from $C^1(\mathbb{R}^n)$. Consider the Dirichlet problem in D:

$$L^{a}u^{a}(x)-c\left(\frac{x}{a}\right)u^{a}(x)=0,\ u^{a}(x)|_{\Gamma}=\psi(x). \tag{2}$$

The author studies the limiting behavior of $u^{\varepsilon}(x)$ as $\varepsilon \to \infty$. His basic apparatus is a stochastic differential equation and a probability representation of the solution of (2). He proves the following theorem: The limit $u(x) = \lim_{\varepsilon \to 0} u^{\varepsilon}(x)$ exists for each $x \in D$. The function u(x) is the solution of the boundary value

$$\overline{L}u(x) = \frac{1}{2} \sum_{i,j=1}^{n} \overline{a}_{ij} \frac{\partial^{2}u}{\partial x^{j} \partial x^{j}} + \sum_{i=1}^{n} \overline{b}_{i} \frac{\partial u}{\partial x^{j}} - \overline{c}u(x) = 0, \qquad (3)$$

where the coefficients $\bar{a}_{i,j}$ and \bar{b}_i are obtained from the $a_{i,j}$ and b_i by averaging relative to a density μ which is the solution of

$$(L^{1})^{\circ}\mu(x) = \frac{1}{2} \sum_{i,j=1}^{n} \frac{\partial^{n}}{\partial x^{i} \partial x^{j}} (a_{ij}(x) \mu(x)) = 0 \quad (1)$$

Card 2/3

ACCESSION NR: APhol6037

Orig. art. has: 11 formulas.

ASSOCIATION: none

SUBMITTED: 25May63

DATE ACQ: 19Har64

SUB CODE: MM

NO REF SOV: 007

Cord 3/3

L 14379-65 ENT(d) IJP(c)/SSD/ASD(a)-5/AFML/AFMD(c)/AFETR/AFTC(a)/ESD(dp)/ACCESSION NR: AP4045619 ESD(si) S/0020/64/158/002/0281/0283

AUTHOR: Freydlin, M. I.; Kolmogorov, A. N. (Academician)

É

TITLE: On a priori estimates of solutions of degenerate elliptic equations |

SOURCE: Doklady*, v. 158, no. 2, 1964, 281-283

TOPIC TAGS: degenerate elliptic equation, a priori solution estimate, Markov process, Markov process trajectory, Dirichlet problem, elliptic operator

ABSTRACT: Determination of certain a priori estimates of the generalized solution of the Dirichlet problem

$$Lu(x) -- c(x)u(x) = 0, x \in D,$$

$$u(x) | f = \psi(x),$$
(1)

where L is an elliptic differential operator (it can also be degenerate), c(x) is a continuous nonnegative function in n-dimensional space, and $\psi(x)$ is continuous on the boundary f', constructed earlier

Card 1/2

L 14379-65 ACCESSION NR: AP4045619

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by the author (Akademiya nauk SSSR, Izvestiya, ser. matem., v. 25, no. 6, 1962), is considered. On the basis of a certain Stochastic equation, the Markov process is constructed by which a new expression for the generalized solution of (1) is derived whose behavior is analyzed in connection with the behavior of the Markov process trajectories. Conditions are presented under which a priori estimates of the generalized solution and of its derivatives are established. Estimates derived make it possible to analyze the smoothness of solutions of the degenerate equations as well as to construct the generalized solution of the Dirichlet problem for degenerate quasilinear equations. Orig. art. has: 4 formulas.

ASSOCIATION: none

SUBMITTED: 17Apr64

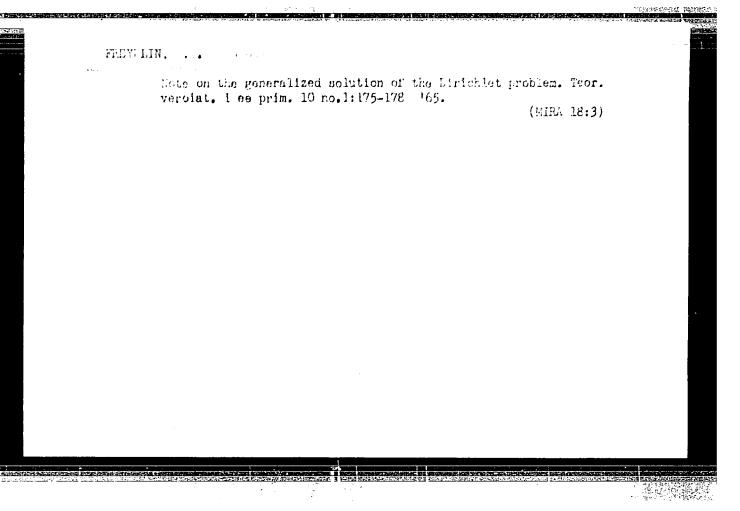
ENCL: 00

SUB CODE: MA

NO REF SOV: 004

OTHER: 000

Card 2/2



FREYDLIN, M.I.

Diffusion processes and the small parameter in elliptic equations with discontinuous coefficients. Izv. AN SSSR. Ser. mat. 29 no.5: 1005-1036 '65. (MIRA 18:10)

L 17707-66 EWT(1)

ACC NR: AP6004657

SOURCE CODE: UN/0038/65/029/005/1005/1036

AUTHOR: Freydlin, M. I.

ORG: none

31

TITLE: Diffusion processes and a small parameter in elliptic equations with discontinuous coefficients

SOURCE: AN SSSR. Izvestiya. Seriya matematicheskaya, v. 29, no. 5, 1965, 1005-1036

TOPIC TAGS: diffusion, differential equation, Markov process, stochastic process

ABSTRACT: The author considers the limiting behavior of the solution as $\epsilon \to 0$ of the Dirichlet problem for

$$L^{\epsilon} = \epsilon^{2} \left(\frac{1}{2} \sum_{i,j=1}^{n} a_{ij} \left(x \right) \frac{\partial^{2}}{\partial x^{i} \partial x^{j}} \sum_{i} b_{i} \left(x \right) \frac{\partial}{\partial x^{i}} \right) + \sum_{i=1}^{n} B_{i} \left(x \right) \frac{\partial}{\partial x^{i}}. \tag{1}$$

where the coefficients of L^{ℓ} have a discontinuity along some smooth n-1 dimensional surface S. Special attention is given to the case where the degenerate

Card 1/2

UDC: 517.9

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L 17707-66

ACC 1/R: AP6004657

equation has no classical solution. The method used is that of constructing a Markov diffusion process $X^{\mathcal{E}}$ such that the solution of the Dirichlet problem for $L^{\mathcal{E}}$ is the mathematical expectation of some functional of $X^{\mathcal{E}}$. Orig. art. has: 83 formulas.

SUB CODE: 12/ SUBM DATE: 23Apr64/ ORIG REF: 011/ OTH REF: 005

Card 2/2 nst

"APPROVED FOR RELEASE: 06/13/2000

L 44773-66 EWT(d) IJP(c)

SOURCE CODE: UR/0052/66/011/003/0463/0471

AUTHOR: Freydlin, M. I. (Moscow)

ORG: none

TITLE: The exterior Dirichlet problem in the class of bounded functions

SOURCE: Teoriya veroyatnostey i yeye primeneniya, v. 11, no. 3, 1966, 463-471

TOPIC TAGS: Dirichlet problem, boundary value problem, elliptic differential operator

bounded function
ABSTRACT: The problem of the existence and uniqueness of solutions in the class of bounded functions of the exterior Dirichlet problem

$$Lu(x) = 0, \quad u(x)|_{\Gamma} = \psi(x), \tag{1}$$

where L is a given differential operator of the form

$$L = \frac{1}{2} \sum_{i,j=1}^{n} a_{ij}(x) \frac{\partial^{2}}{\partial x_{i} \partial x_{j}} + \sum_{i=1}^{n} b_{i}(x) \frac{\partial}{\partial x_{i}}, \qquad (2)$$

whose coefficients $a_{i,j}(x)$ and $b_{i}(x)$ and their first derivatives are bounded functions, is analysed under the assumptions that the function $\psi(x)$ is continuous and the boundary

Card 1/2

L 44773-66 ACC NR: AP6030789

F of the domain is a smooth curve. This problem is reformulated in the language of probability theory as the problem of the behavior of trajectories of the Markov process at $t \to \infty$. By applying the methods of probability theory, theorems are proved establishing the condition to be imposed upon function u(x) at $|x| \to \infty$ ensuring the existence and uniqueness of solutions of problem (1). It is also deduced that there exists a nontrivial boundary at infinity whose construction depends in certain definite cases on the behavior of the vector field $b(x) = \{b_1(x), \ldots, b_n(x)\}$ at $|x| \to \infty$. It is pointed out that theorems of the existence and uniqueness of solutions of problem (1) in the class of functions that do not increase to fast can be derived by analogous methods. Orig. art. has: 8 formulas.

SUB CODE: 12/ SUBM DATE: 06Jun65/ ORIG REF: 003/ OTH REF: 001/ ATD PRESS: 5080

Card 2/2 1) LR

Tasks of MNP planning institutes in industrializing the assembly of piping systems. Stroi.pred.neft.prom. 1 no.8: 4-5 0 '56.

1. Nachal'nik tekhnicheskogo otdela Glavneftemontasha (for Z11'berberg) 2. Nachal'nik otdela proyektno-naladochnoy kontory tresta no.18 (for Freydlin).

(Petroleum--Refining)

ZILTERPERG, Aleksandr Lazarevich; FREYDLIN, Mark Lazarevich; YERSHOV; P.R., vedushchiy red.; POLOSINA, A.S., tekhn.red.

[Preparation and assembling of industrial pipelines in petroleum refineries] Izgotvlenie i montash tekhnologicheskikh trubcprovodov neftepererabatyvatushchikh zavodov. Moskva, Gos.nauchno-tekhn. izd-vo neft.i gorno-toplivnoi lit-ry, 1957. 179 p. (NIRA 10:12)

(Pipelines) (Petroleum refineries)

ZIL'BERBERG, A.L., inzh.; NAUMOY, V.G., inzh.; FREYDLIN, M.L., inzh.;

FAL'KEVICH, A.S., kand.tekhn.nauk, nauchnyy red.; TYULENETA, L.M.,

red.izd-va; BOROVNEY, N.K., tekhn.red.

[Preparing and assembling industrial pipelines] Izgotovlenie i montazh tekhnologicheskikh truboprovodov. Moskva. Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 385 p. (MIRA 14:4)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye po montashu tekhnologicheskogo oborudovaniya i proizvodstvu montazhnykh rabot. (Pipe)

56064-65 EWT(m)/EPF(c)/EWP(j)/T Pc-4/Pr-4 UR/10020/64/158/004/0922/0925 ACCESSION NR: APSO18558 AUTHOR: Englin, B. A.; Freydlina, R. Kh. (Corresponding member of AN SSR) TITLE: Kinetics of the telomerization of ethylene by carbon tetrachloride and chloroform. Q-e scheme SOURCE: AN SSSR. Doklady, v. 158, no. 4, 1964, 922-925 TOPIC TAGS: ethylene, chlorinated organic compound, polymerization Abstarct: The radical mechanism of the telomerization of ethylene by carbon tetrachloride is outlined. The influence of temperature on the constants of trasnfer of trichlocosleyl radicals of different chain lengths was studied in stainless steel autoclaves in the presence of tertiary butyl peroxide or azobisisobutyronitrile, at ethylene:telogen ratios from 3:1 to 12:1. The particular transfer constants increased 10 to 130-fold with increasing chain length n from 1 to 5, but then remained constant. The transfer constant was two to three times lower for chloroform than for carbon tetrachloride. Differences in the rates of the reactions of transfer and chain propagation

with the participation of any radical (except for trichloroamyl) were explained chiefly by differences in the activation energies of these processes, rather than by steric effects. The telomerization of ethylene by CHCl₃, in constrast

Card 1/2

"APPROVED FOR RELEASE: 06/13/2000

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L. 56064-65

ACCESSION NR: AP5018558

to CCI., was practically thermoneutral. The constants of chain transfer were expressed in a Q-e scheme, where Qtal and Q are proportional to the reactivities of the telogen and monomer, while etcl and em characterize their polar properties. The increase in the transfer constants with increasing length of the radical chain n from 1 to 5 monomer units was found to be essentially related to the change in the rate constants of the reactions of chain transfer as a result of a reduction of the inductive influence of the trichloromethyl group. Orig. ert. has 5 formulas, 1 graph, suft 4 tables.

ASSOCIATION: none

SUBMITTED: OLJun64 EECL: OO SUB CODE: OC, GC

NO REF SOV: OO2 OTHER: OO9 JPR3

L 52166-65 EWT(m)/EPF(c)/EPR/EWP(j)/EWA(s) Pc-4/Fr-4/Ps-4 RPL WW/RM ACCESSION NR: AP5015238 UR/0286/65/000/009/0021/0021 547.419.5 AUTHOR: Freydling, R. Kh.; Chukovskaya, Ye. Ts. TITLE: Preparative method for (1,1,1-trifluoropropyl)methyldiclorosilane. Class 12, No. 170495 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 21 TOPIC TAGS: silane, preparation, trifluoropropylmethyldichlorosilane ABSTRACT: An Author Certificate has been issued for a preparative method for (1,1,1,trifluoropropyl)methyldichlorosilane, involving the reaction of 1,1,1-tri-fluoropropene with methyldichlorosilane in the presence of dicyclonexyl peroxydicarbonate initiator with heating to 50--600. [SM] ASSOCIATION: none SUB CODE: OC.GC ENCL: (10 SUBMITTED: 31Jan63 AT'D PRESS: 4018 OTHER: 000 NO REF SOV: 000

- 1. FREYDLIN, S. M.
- 2. USSR (600)
- 4. Stomach--Diseases
- 7. Clinical and roentgenologic picture of gastric choristoma (type of pancreas accessorius), Klin. med., 30, No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

REYNBERG, S.A., professor, zasluzhennyy deyatel' nauki; FREYDLIN, S.M.; MUZYCHENKO, A.P., direktor.

Clinical and roentgenological diagnosis of sarcoma of the duodenum. Vest. rent.i rad. no.3:90-93 My-Je '53. (MLRA 6:8)

1. Rentgenelogicheskiy otdel Moskovskogo eblastnoge nauchno-issledovatel-skogo klinicheskogo instituta imeni M.F. Vladimirskogo (for Freydlin and Reynberg). 2. Moskovskiy eblastnoy nauchno-issledovatel'skiy klinicheskiy institut imeni M.F. Vladimirskogo (for Muzychenko).

(Duodenum--Tumors) (Diagnosis, Radioscepic)

FREYDLIN, S.M. (Moscow).

Clinical X-ray diagnosis of the prolapse of the pyloric mucosa into the duodenal bulb. Klin.emd. 31 no.10:72-77 0 53. (MLRA 6:11)

l. Iz rentgenologicheskoge etdela (saveduyushchiy - zaslushennyy deyatel' nauki professor S.A.Reynberg) Moskovskogo eblastnogo nauchno-issledovatel'-skogo klinicheskogo instituta im. M.F. Vladimirskogo.

(Diagnosis, Radioscopic) (Pelyrus) (Duodenum)

FREYDLIN, S.M. (Moskva)

Rate of onset of atelectasis. Min.med. 33 no.12:35-38 D '55.

(MLRA 9:5)

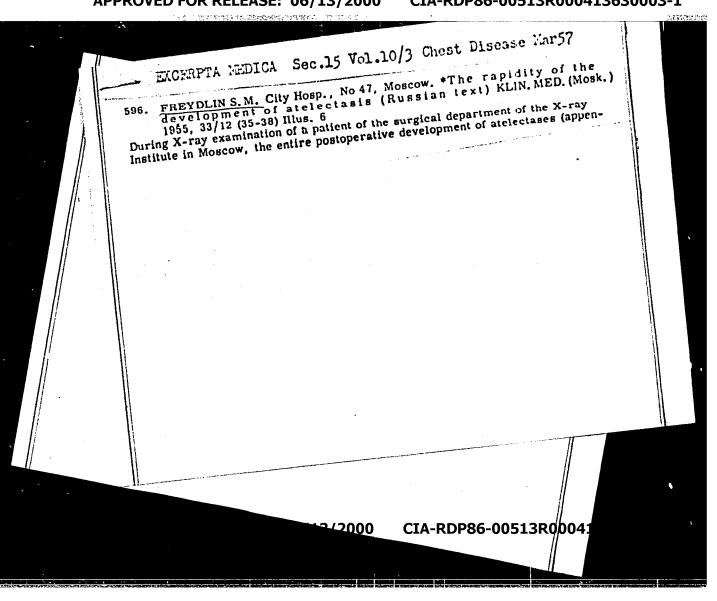
1. Iz rentgenologicheskogo otdeleniya (zav. S.M.Freydlin)

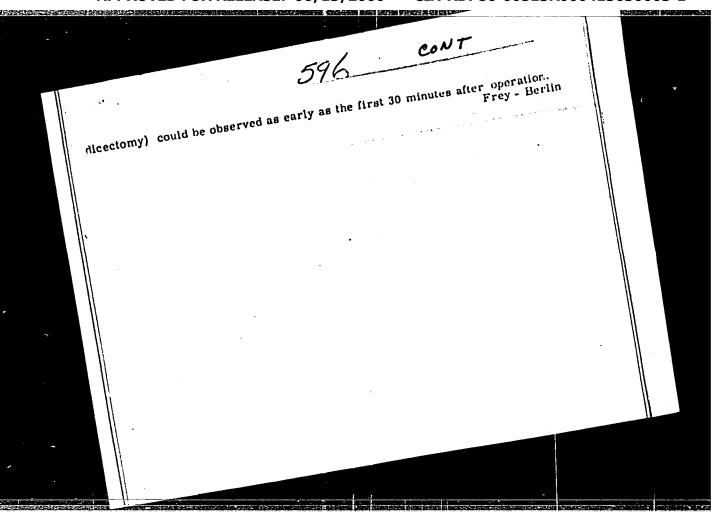
Moskovskoy gorodskoy bel'nitsy No.47 (glavnyy vrach M.A.Sirotin)

(LUNGS--COLLAPSE)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413630003-1





APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413630003-1"

Bronchogenic cancer which developed from bronchiectasis with abaceus formation. Terap.arkh. 29 no.6:46-47 Je '57. (MIR. 10:10)

1. Iz rentgenovskogo otdeleniys (xav. S.M. Freydlin) Moskovskoy gorodskoy bol'nitsy No.47.

(LUNG NMOPLANS, etiology and pathogenesis.

bronchogenic cancer develop. from abaceusing broncheictasis (Rus))

(BRONCHIECTASIS, complications, same)

Postoperative pulmonary atelectasis. Klin.med. 38 no.11:50-55
N '60. (MIRA 13:12)

1. Iz rentgenologicheskogo otdeleniya (zav. S.M. Freydlin)
Moskovskoy gorodskoy bol'nitay No.47 (glavnyy vrach A.A.
Pavlova, nauchnyy rukovoditel' - zaalushennyy deyatel' nauki
(LUNGS—COLLAPSE) (OPERATIONS, SURGICAL)

FREYDLIN, S.Ya., prof.

Forms and methods of assistance given by a medical institute to operating public health establishments. Zdrav. Ros. Feder. 4 (MIRA 13:9)

l. Iz kafedry organizatsii zdravookhraneniya I Leningradskogo meditsinskogo instituta im. I.P.Pavlova (dir. A.I. Ivanov).

(PUBLIC HEALTH)

FREYDLIN, S.Ya., prof. (Loningrad)

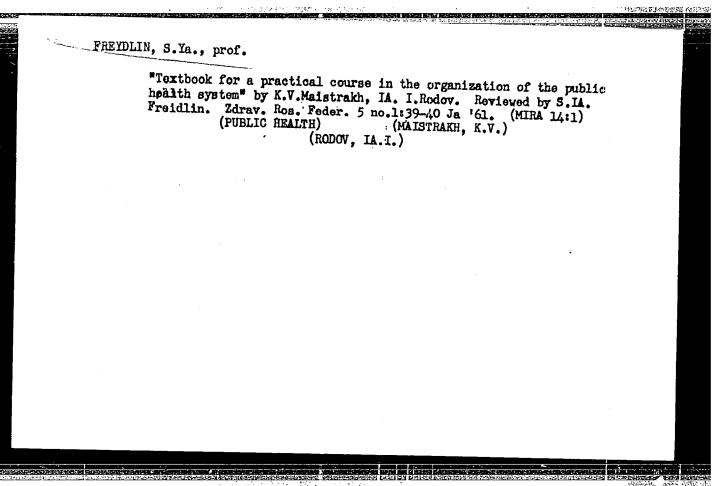
Reorganization of teaching of public health organization in medical departments. Sov.zdrav. 19 no.7:23-26 '60. (MIRA 13:8)

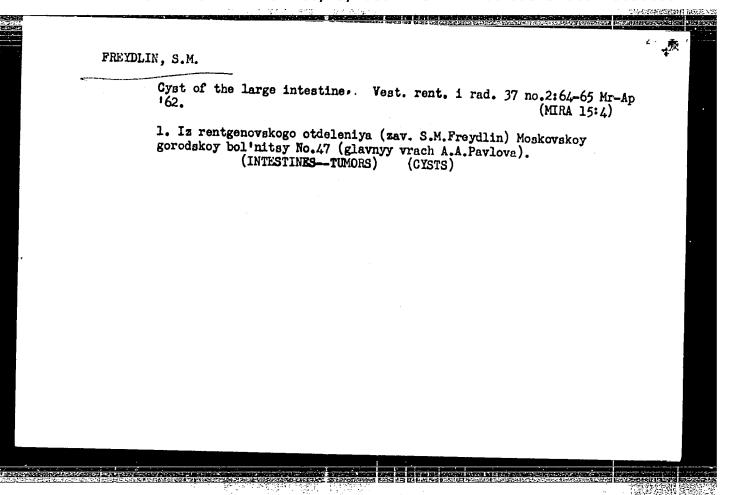
1. Iz kafedry organizataji zdravockhraneniya Leningradskogo meditsinskogo instituta im. I.P. Pavlova (dir. A.I. Ivanov). (PUBLIC HEALTH ADMINISTRATION—STUDY AND TEACHING)

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그 하다 소설하는 경우를 되는 것 같다.

主要關鍵的影響





PHETOLIN, S.M.

Pulmonary candidomycosis. Sov. Med. 26 no.9:10-15 S 162.

(MHA 17:4)

1. Iz rentgenovskogo otdeleniya (zav. S.M. Freydlin) Moskovskoy gorodskoy bol'nitsy No.47 (glavnyy vrach A.A. Pavlova).

Incomplete postoperative atelectasis of the lungs. (hypoventilation). Klin. med. 40 no.12:82.87 D '62. (MIRA 17:2) 1. Iz rentgenologicheskogo otdeleniya (zav. 8.M. Freydlin) Moskovskoy gorodskoy bol'nitsy No.47 (glavnyy vrach A.A. Pavlova; nauchnyy rukovoditel' - prof. I.L. Fayerman).

FREYDLIN, Solomon Yakovlevich; RAVKIND, B.M., red.; BUGROVA, T.I., tekhn. red.

[Prevention of traumatism and the organization of traumatological aid] Profilaktika travmatizma i organizatsiia travmatologicheskoi pomoshchi. 2. izd., ispr. i dop. Leningrad, Medgiz, 1963. 208 p. (MIRA 16:10)

(TRAUMATISM)

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- 探索器 整定套

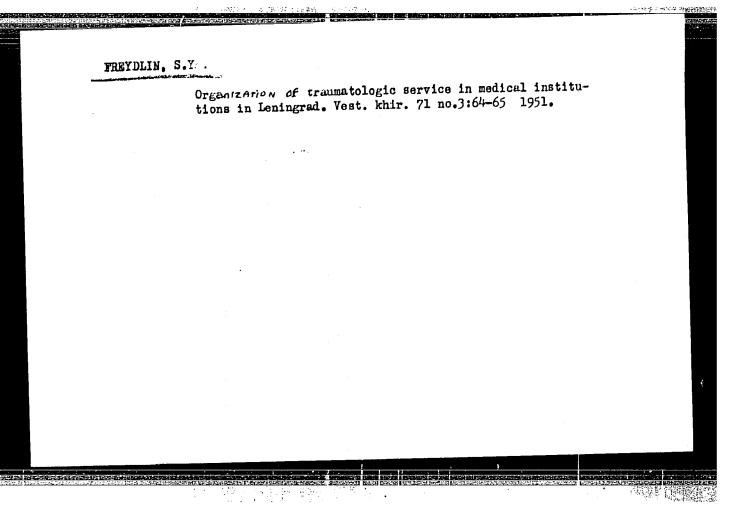
FREYDLIN, S. Ya.

42599. Organizatsiya Meditsinskoy Pomoshchi invalidam. Otechestvennoy Voyny V Lenningrade. V sb. Med.-san. Posledsviya Voyny i Meropriyatiya Po Ikh Likvidatsii. T. 11. M., 1948, S. 106-09 Sm. Takzhe No. No. 42155, 42166.

FREYDLIN, S. YA.

FREYDLIN, S. YA. I VAGER, V. P. 36386 Nekotoryye pokazateli raboty poliklinik, ob"Yedinennykh S Bol'nitsami. Sov. Yracheb. Sbornik. Vyp. 16, 1949, S. 29-31.

SO: Letopis' Zhurnal' nykh Statey, No. 40, 1949



FREYDLIN, S.Ya., professor

Studies on morbidity of industrial workers with temporary loss of working capacity. Sov. sdrav. 13 no.4:16-18 J1-Ag '54. (MIRA 7:9)

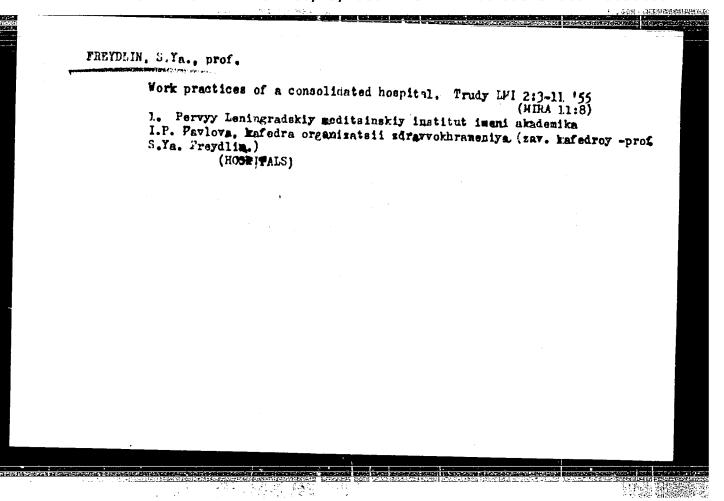
1. Is kafedry organizated is dravoolthranening a Leningradskogo meditsinskogo instituta (dir. A.I. Ivanov)
(OCCUPATIONAL DISEASES, statistics,
Russia, with temporary loss of working capacity)

FREYDLIN, S.Ya., professor, adres avtora: Leningrad, Kronverkskaya ul. d.23/59, kv.25

Some indexes intreating injuries. Vest.khir.74 no.7:32-36 0-N 154. (MLRA 8:10)

1. Iz Leningradskogo gosudarstvennogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (nauchn.rukov.prof. S.S. Girgolav)

(WOUNDS AND INJURIES, traum.serv. in Ruseia)



FREYDLIN, S.Ta., Professor.

Statistics on traumatic dislocations. Ortop.travm. i protes.
no.2:50-54 Mr-Ap '55. (MLRA 8:10)

1. Is organisatsionno-metodicheskogo otdela Leningradskogo
instituta travmatologii i ortopedii (dir.prof. V.S.Balakina,
nauchnyy rukoditel'-deystvitel'nyy chlen AMN SSSR prof.
S.S.Oirgolav)
(DISLOCATIONS,
traum. statistics)
(WOUNDS AND INMURIES,
dislocations, statist.)

FREYDLIN, Solomon Yakovlevich; RAVKIND, B.M., redaktor; RULEVA, M.S., tekhnicheskiy redaktor

[Prevention of injuries and organization of first aid] Profilaktika travmatisma i organizatsiia travmatologicheskoi pomoshchi. [Leningrad] Gos. isd-vo med. lit-ry, Leningradskoe otd-nie, 1956. 192 p. (MIRA 10;2)

PREYDLIN, S.Ya., professor

On the 75th birthday and 50th anniversary of the work of Semen Semenovich Girgolav. Vest.khir. 77 no.7:149-150 Jl '56. (MIRA 9:10) (GIRGOLAV, SEMEN SEMENOVICH, 1881-)

SIGAL, Boris Samoylovich, professor; FiceYorIb, S.Ya., redektor; RULEVA, H.S., tekhnicheskiy redaktor

[Public health service and medicine in St.Petersburg - Petrograd - Leningrad; on the 250th anniversary of the founding of Leningrad]
Zdravookhranenie i meditaina v Peterburge - Petrograde - Leningrade;
k 250-letiiu Leningrada. [Leningrad] Gos. izd-vo med. lit-ry,
Leningr. otd-nie, 1957. 30 p. (MLMA 10:10)
(EEMINGRAD--PUBLIC MEANTH--HISTORY)

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